

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A nutritional supplement comprising at least two components administered in effective daily dosages selected from the group consisting of:

25-2500 mg +/- alpha-lipoic acid,

50-7500 mg acetyl-L-carnitine,

25-2500 mg resveratrol;

100-5000 mg lecithin; and

30-6000 mg N-acetyl cysteine with the proviso that the +/- alpha lipoic acid and the acetyl-L-carnitine are not administered together.

2. (Previously Presented) The nutritional supplement of claim 1 and further comprising a carrier for said components.

3. (Canceled)

4. (Previously Presented) The nutritional supplement of claim 2 wherein said carrier comprises a liquid.

5. (Previously Presented) The nutritional supplement of claim 2 wherein said carrier is selected from the group consisting of: a capsule, a transdermal patch, an injectable solution, an intranasal aerosol and a suppository.

6. (Previously Presented) The nutritional supplement of claim 2 wherein said carrier comprises a tablet.

7. (Previously Presented) The nutritional supplement of claim 1 wherein said composition comprises at least one mitochondrial metabolite or promoter thereof selected from the group consisting of 25-2500 mg of +/- alpha-lipoic acid, 50-7000 mg acetyl-L-carnitine, 30-6000 mg N-acetyl cysteine, and 40-1500 mg resveratrol.

8. (Previously Presented) The nutritional supplement of claim 1 wherein said composition comprises at least one mitochondrial metabolite or promoter thereof selected from the group consisting of 25-2500 mg of +/- alpha-lipoic acid, 50-7000 mg acetyl-L-carnitine, 30-6000 mg N-acetyl cysteine, and 150-3000 mg lecithin.

9. (Previously Presented) The nutritional supplement of claim 6 wherein said lecithin is present from 100-5000 mg.

10. (Canceled)

11. (Currently Amended) A nutritional supplement comprising at least two components administered in effective daily dosages selected from the group consisting of:

50-1000 mg +/- alpha-lipoic acid,

100-5000 mg acetyl-L-carnitine,

45-1000 mg resveratrol;

200-2000 mg lecithin; and

100-2500 mg N-acetyl cysteine with the proviso that the ~~composition~~ lipoic acid and the acetyl-L-carnitine are not administered together.

12. (Previously Presented) The nutritional supplement of claim 6 and further comprising a carrier for said components.

13. (Canceled)

14. (Previously Presented) The nutritional supplement of claim 11 wherein said carrier comprises a liquid.

15. (Previously Presented) The nutritional supplement of claim 11 wherein said carrier comprises a tablet.

16. (Canceled)

17. (Previously Presented) The nutritional supplement of claim 7 wherein said supplement comprises at least one mitochondrial metabolite or promoter thereof selected from the group consisting of 50-1000 mg of +/- alpha-lipoic acid, 100-5000 mg acetyl-L-carnitine, 100-2500 mg N-acetyl cysteine, and 150-3000 mg lecithin.

18. (Previously Presented) The nutritional supplement of claim 15 wherein said lecithin is present from 200-2000 mg.

19. (Previously Presented) The nutritional supplement of claim 7 wherein said resveratrol is present from 45-1000 mg.

20. (Currently Amended) The method of promoting cognitive or auditory function, said method comprising the step of:

administering to said cells a composition comprising at least two components in synergistic effective amounts of at least two components selected from the group consisting of:

25-2500 mg +/- alpha-lipoic acid,

50-7500 mg acetyl-L-carnitine,

25-2500 mg resveratrol;

100-5000 mg lecithin; and

30-6000 mg N-acetyl cysteine with the proviso that the ~~composition~~ lipoic acid and the acetyl-L-carnitine are not administered together.

21. (Previously Presented) The nutritional supplement of claim 19 wherein said step of administering occurs daily.